

TOC WORKING DOCUMENT

Action Items Towards Recommendations to Principals on Water Management Practices and Water Quality in the Refuge May 17, 2005

The following bullets are issues that the interagency teams should address at a minimum to provide information to support TOC recommendations.

1. More frequent outflow structure water quality sampling.

- Characterize existing data and permit requirements.
- Estimate the cost of upgrading the monitoring the systems on S-10s, including personnel and laboratory costs. Provide implementation schedule.
- Assess the potential reduction in uncertainty by increasing information.
- Characterize the use of the resultant data.
- Analyze the effect of sampling frequency (power analysis).

The team will be lead by SFWMD with Refuge technical staff.

2. Improved coordination of inflow pump and outflow gate operations.

- Determine the feasibility under current Regulation Schedule and other constraints.
- Conduct cost benefit analysis.
- Quantify the expected benefits of the operational recommendations.
- Consider potential downstream water quality and quantity impacts.
- Evaluate potential for constraining STA operations.

The Refuge and the Corps will be the lead agencies.

3. Delay stage rise until after wet-season rain on Refuge begins.

- Determine the feasibility under current Regulation Schedule and other constraints.
- Conduct cost benefit analysis.
- Quantify the expected benefits of the operational recommendations.
- Consider the potential downstream water quality and quantity impacts.
- Evaluate potential for constraining STA operations.

The Refuge and the Corps will be the lead agencies.

4. Re-distribution of flows through the S-10 gates.

- Determine the feasibility under current Regulation Schedule and other constraints.
- Conduct cost benefit analysis.
- Quantify the expected benefits of the operational recommendations.
- Consider the potential downstream water quality and quantity impacts.
- Evaluate potential for constraining STA operations.

The Refuge and the Corps will be the lead agencies.